

## LCC Calculator - IECC Residential

Enter values into blue boxes

### Proposal information

Proposal number	BuiltGreen section 408	
CDP ID#		
Proponent	Wildenhaus, Dan	
Climate zone(s) analyzed	4c, 5b	Enter specific climate zone or zones included in the analysis below
Additional Notes	3 star, 4 star, 5 star averaged	

### Methodology

Description of measure cost methodology	Combined costs from builder interviews, IECC cost effectiveness analysis, CEC 2019 Res New Con CE Report, PassiveHouse 2019 WSEC-R Proposal.
Description of savings calculation methodology. Include information about climate zones and fuel types where appropriate.	Combined and averaged reported savings estimates from previous analysis along with energy modeling in REM/Rate v16.0.6.

### Inputs

Net measure cost	2020\$, measure cost to consumer, including markup, less tax credits or other incentives
Measure electric savings	10829 kWh/year
Measure natural gas savings	3665 therms/year
Measure propane savings	gallons/year
If applicable:	
Change in maintenance or other non-energy operating costs	-108.8 2020\$/year (+ for increased cost, - for decreased cost)
Replacement cost	2020\$
Year of first replacement	For measures with life <30 years, # of years from date of construction
Year of second replacement	For measures with life <30 years, # of years from date of construction

### Results

	Discount Rate			
	3% nominal DOE	3% real OMB	7% real OMB	
With SCC value				
Measure incremental LCC	\$6,866.82	\$4,892.56	\$3,027.48	2020\$ (+ for savings, - for increased cost)
Simple payback				15.80 Years
With SCC = \$0				
Measure incremental LCC	\$5,044.08	\$3,069.82	\$1,204.73	2020\$ (+ for savings, - for increased cost)
Simple payback				17.70 Years